

Alexander M Smith

List of Publications by Year in descending order

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21
papers

1,985
citations

516710

16
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

1967
citing authors

#	ARTICLE	IF	CITATIONS
1	The Electrostatic Screening Length in Concentrated Electrolytes Increases with Concentration. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 2157-2163.	4.6	422
2	Long range electrostatic forces in ionic liquids. <i>Chemical Communications</i> , 2017, 53, 1214-1224.	4.1	285
3	Self-assembly in the electrical double layer of ionic liquids. <i>Chemical Communications</i> , 2011, 47, 6572.	4.1	245
4	Scaling Analysis of the Screening Length in Concentrated Electrolytes. <i>Physical Review Letters</i> , 2017, 119, 026002.	7.8	163
5	Monolayer to Bilayer Structural Transition in Confined Pyrrolidinium-Based Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 378-382.	4.6	145
6	Quantized friction across ionic liquid thin films. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15317.	2.8	135
7	Underscreening in concentrated electrolytes. <i>Faraday Discussions</i> , 2017, 199, 239-259.	3.2	122
8	Molecular Friction Mechanisms Across Nanofilms of a Bilayer-Forming Ionic Liquid. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 4032-4037.	4.6	81
9	Switching the Structural Force in Ionic Liquid-Solvent Mixtures by Varying Composition. <i>Physical Review Letters</i> , 2017, 118, 096002.	7.8	68
10	Monolayer and bilayer structures in ionic liquids and their mixtures confined to nano-films. <i>Faraday Discussions</i> , 2013, 167, 279.	3.2	62
11	Forces between solid surfaces in aqueous electrolyte solutions. <i>Advances in Colloid and Interface Science</i> , 2020, 275, 102078.	14.7	53
12	Direct measurements of ionic liquid layering at a single mica-liquid interface and in nano-films between two mica-liquid interfaces. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 297-304.	2.8	42
13	Interfacial structure and structural forces in mixtures of ionic liquid with a polar solvent. <i>Faraday Discussions</i> , 2018, 206, 427-442.	3.2	40
14	Unexpectedly Large Decay Lengths of Double-Layer Forces in Solutions of Symmetric, Multivalent Electrolytes. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1733-1740.	2.6	26
15	Solidification and superlubricity with molecular alkane films. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 25418-25423.	7.1	18
16	Influence of Lithium Solutes on Double-Layer Structure of Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4857-4861.	4.6	17
17	Structure and dynamics of mica-confined films of [C10C1Pyrr][NTf2] ionic liquid. <i>Journal of Chemical Physics</i> , 2018, 148, 193808.	3.0	15
18	Attractive non-DLVO forces induced by adsorption of monovalent organic ions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 158-164.	2.8	15

#	ARTICLE	IF	CITATIONS
19	Measuring Inner Layer Capacitance with the Colloidal Probe Technique. <i>Colloids and Interfaces</i> , 2018, 2, 65.	2.1	14
20	Interactions between similar and dissimilar charged interfaces in the presence of multivalent anions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9436-9448.	2.8	12
21	Structuring of colloidal silica nanoparticle suspensions near water-silica interfaces probed by specular neutron reflectivity. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6449-6456.	2.8	5